

CLAIMS

We claim:

1. A torsion attenuator for a vehicle having first and second longitudinal frame rails extending substantially parallel to a longitudinal axis, said torsion attenuator comprising:

first and second brackets coupled to said first and second frame rails, respectively; and

a cable coupled at a first end to said first bracket and at a second end to said second

5 bracket.

2. The torsion attenuator of claim 1, wherein said cable is coupled tautly between said first and second brackets.

3. The torsion attenuator of claim 1, wherein said first end of said cable is coupled to a first threaded end, said second end of said cable is coupled to a second threaded end, and wherein said first and second threaded ends are coupled to said first and second brackets, respectively.

4. The torsion attenuator of claim 1, wherein said cable is generally transverse to said longitudinal axis.

5. The torsion attenuator of claim 1, wherein said first and second brackets extend substantially vertical to said longitudinal axis.

6. The torsion attenuator of claim 1, further comprising first and second spring seats coupled to said first and second frame rails, respectively, wherein said first and second brackets extend from first and second spring seats.

7. A torsion attenuator for a vehicle having first and second longitudinal frame rails extending substantially parallel to a longitudinal axis, said torsion attenuator comprising:

first and second longitudinal reinforcement members, coupled to said first and second frame rails, respectively;

5 first and second brackets, coupled to said first and second reinforcement members, respectively; and

a cable coupled at a first end to said first bracket and at a second end to said second bracket.

8. The torsion attenuator of claim 7, wherein said cable is coupled tautly between said first and second brackets.

9. The torsion attenuator of claim 7, wherein said first end of said cable is coupled to a first threaded end, said second end of said cable is coupled to a second threaded end, and wherein said first and second threaded ends are coupled to said first and second brackets, respectively.

10. The torsion attenuator of claim 7, wherein said cable is generally transverse to said longitudinal axis.

11. The torsion attenuator of claim 7, wherein said first and second brackets extend substantially vertical to said longitudinal axis.

12. The torsion attenuator of claim 7, further comprising first and second spring seats coupled to said first and second reinforcement members, respectively, wherein said first and second brackets extend from first and second spring seats.

13. A torsion attenuator for a vehicle having first and second longitudinal frame rails extending substantially parallel to a longitudinal axis, said torsion attenuator comprising:

first and second brackets, coupled to said first and second frame rails, respectively;

a first cable having a first end coupled to said first bracket and a second end coupled to

5 said second bracket; and

a second cable having a first end coupled to said first bracket and a second end coupled to said second bracket.

14. The torsion attenuator of claim 13, wherein said first and second cables are coupled tautly between said first and second brackets.

15. The torsion attenuator of claim 13, wherein said first end of said first cable is coupled to a first threaded end, said second end of said first cable is coupled to a second threaded end, and wherein said first and second threaded ends of said first cable are coupled to said first and second brackets, respectfully; and

5 wherein said first end of said second cable is coupled to a third threaded end, said second end of said second cable is coupled to a fourth threaded end, and wherein said third and fourth threaded ends of said second cable are coupled to said first and second brackets, respectfully.

16. The torsion attenuator of claim 13, wherein said first and second cables extend substantially parallel to each other and generally transverse to said longitudinal axis between said first and second brackets.

17. The torsion attenuator of claim 13, further comprising first and second spring seats coupled to said first and second frame rails, respectively, wherein said first and second brackets extend from first and second spring seats.

18. The torsion attenuator of claim 13, wherein said first and second cables are coupled to said first and second brackets at locations outboard of said first and second frame rails.